



Volume 41, No. 7
March 2006

PHILADELPHIA CHAPTER

Pre-Dinner

*Manufacturers Representatives
Table Top Vendor Show*

After-Dinner

*Owner Presentation -
Energy Conservation in the
Pharmaceutical Industry*

presented by
James V. Ricigliano, PE
Principal, Director of Operations, PWI Energy

Thursday, March 9, 2006

Joint Meeting with GPBPA

5:00 to 6:30 PM
Table Top Show with
Cocktails and Hors D'oeuvres

6:30 to 8:00 PM
Dinner and
After-Dinner Presentation

**There are a limited number of
vendor table top displays
still available!
Call
610-971-2169
to reserve a table today!**

*ASHRAE will collect a nominal fee of \$100 to cover the
cost of each table. Vendors manning the displays are
expected to register as regular attendees for the meeting.
(NOTE- Cescaphe Ballroom cannot provide power
connections for tabletop displays.)*

STRENGTHEN OUR MEMBERSHIP!

Ask for a Membership Application at our
Events' Reception Table -
Pass it along to a Friend
or Colleague!

LOCATION

Cescaphe Ballroom
923 North 2nd Street
Philadelphia, PA 19123

Located a few blocks north
of Spring Garden Street

Free Valet Parking Available

FOR RESERVATIONS

Call (610) 971-2169
or Email
philachapter@mail.ashrae.org

RESERVATION NOTICE

Reservations must be made by
no later than 12:00 Noon
2 days prior to the meeting date.

COSTS

Local Chapter Members Reservation
\$30
Late Registrations & Walk-ups
\$45
Non-local Dues Paying Members
\$35
Members 30 years & under
\$10 Discount
Student Members
\$10

**Reservations not cancelled by 12:00 noon
2 days prior to the meeting date will be
billed the full amount.
The Chapter will no longer
bear the cost of "no-show" meals.**

Quaker City CLIMATE

JOURNAL OF THE PHILADELPHIA CHAPTER OF THE AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS, INC.

It's Not Too Late to Advertise!

Advertisements for the 2006-2007
Directory of Manufacturers' Representatives
in the Philadelphia Area
will be accepted until
March 3, 2006.
Call Hope Silverman at
610-971-2169
if you are interested.

Corporate Sponsor Bio

Ernest D. Menold, Inc.

Established in 1947, Ernest D. Menold, Inc. is a sheet metal contractor and specialty fabricator primarily serving pharmaceutical and industrial customers.

In the mechanical HVAC market, Ernest D. Menold, Inc. focuses on retrofit projects and process air handling systems for local facilities such as refineries, paper making plants, pharmaceutical plants, food manufacturers, and health care facilities.

In addition to measuring, fabricating and installing HVAC duct systems, Ernest D. Menold, Inc. is a NEBB certified balancing contractor, and has performed IAQ survey work which includes gas sampling and remediation recommendations.

Ernest D. Menold, Inc. is also a fabricator of stainless steel countertops, casework, doors, animal isolation booths, necropsy tables, process piping transfer panels, custom filter grilles, and other custom items for the food and drug industries. Their capabilities in this market are enhanced with a laser cutting machine and a computerized press brake.

The chairman of the company, Ernest R. Menold, P.E., is an ASHRAE member. Ernest J. Menold, P.E., is the president of the company, and served as president of the Philadelphia Chapter of ASHRAE in 1996-97. For more information, please visit their web site at www.menold.com.

Table Top Show Exhibitors

Associated Steam Specialty
BJ Terroni Company
Chemworks Filtration
Clapp Associates, Inc.
CM3 Building Solutions
Dome-Tech Group
Environmental Systems Group
Honeywell
JC Mottinger Assoc.
Kriebel Engineered Equipment, Ltd.
L&R Associates, Inc.
Maiocco & Cooney Associates
Merion Pump & Equipment Co.
RD Bitzer Co.

After-Dinner Presentation

Wyeth Healthcare graciously helped arrange the after-dinner presentation, "Energy Conservation in the Pharmaceutical Industry". This industry presents unique energy management challenges, and little room for compromise. Our featured speaker is a consultant to Wyeth, and a number of other prominent clients in the pharmaceutical field. He will offer perspective on the balance between effectiveness and efficiency in a critical environment.

After-Dinner Speaker

James V. Ricigliano, PE

As Director of Operations for PWI Energy, Mr. Ricigliano directs energy management programs and projects that reduce utility consumption and costs through careful analysis of usage, utility procurement opportunities, and market trends. His focus on site energy master plans have lead to significant energy savings for his clients.

Mr. Ricigliano has over twenty-seven years of engineering leadership experience. As Project Director prior to joining PWI, he was responsible for the Architectural & Engineering design of over 2,000,000 SF of energy-intensive, laboratory facilities for the pharmaceutical industry as well as completed several site utility master plans to complement the site expansion.

Thank You to our Donors

The Philadelphia Chapter of ASHRAE would like to thank the donors of the 2004/2005 research promotion season. As of this date, a large number of donors have not attended the last three meetings to receive their award of appreciation. The March meeting will be the last meeting that the donors will be able to receive their awards. These awards, if not presented, will be returned to ASHRAE in Atlanta as it will be too costly to mail these to each of the donors.

Please find below the list of awards yet to be presented. Anyone wishing to receive their award may contact Bill Hart at 215-592-1900 to pick it up. The deadline for this will be March 15, 2006.

Aerotech Filtration
Arora Engineers
Arrow United Industries
Associated Steam Specialty Company
Atofina Chemicals Incorporated
Ballinger Co.
BJ Terroni Company, Inc.
Bruce E. Brooks & Associates
Burns Engineering Inc.
Bush Sales Associates Inc.
Cimac Corp.
Clapp Associates
Cohen Seglias Pallas Greenhall & Furman
Comitale National
CUH2A, Inc.
Del-Ren Associates
Diversified Thermal Equipment
DVL Incorporated
Eagle Industrial Hygiene Associates
EF Siegfried Co., Inc.
Elite Air Systems Inc.
E&M Engineering Inc.
Energy Products Company
Environmental Systems Group
Ernest D. Menold, Inc.
General Aire Systems
Heat Transfer Technology
HVAC Products
Indoor Air Solutions
Jay J. Surkin Co. Inc.
JJ White Incorporated
John F. Scanlan, Inc.
Johnson Controls
Kriebel Engineered Equipment

Lyon Conklin & Company
MDG Equipment co.
Merion Pump & Equipment Company
Metropolitan Acoustics
MP Hershman PE Inc.
Mutimer Company
NE Fisher & Associates
NRG Consultants
Phillips McDade
RD Bitzer Company
Riley Sales Incorporated
Robert M. Hilberts
Sass Moore & Associates
Siemens Building Technologies
Tozour Energy Systems
TriState HVAC Equipment
Vinokur-Pace Engineering Services
Weil-McLain
Wick Fisher & White
Williard Incorporated
York International Corporation

Lawrence J. Boersig
Thomas Allen Brown
Charles W. Coward Jr.
Gary L. Debb
Aaron Dahlstrom
Geza Fozo
Morton Goren
Henry W. Grandin
David H. Hersh
Mark P. Hershman
John Jarvis
Brett A. Jenner
John E. Kampmeyer
Tim Keane
David P. Kennedy
Frederick G. Nachbar
Alexander Nesher
Reynold L. Pratt
John Ruhl
John W. Sheble

ASHRAE Volunteers are Needed

Can you spare a few minutes a month to help on one of the following committees for the Philadelphia Chapter?

Membership Promotion Committee
Program Committee
Research Promotion Committee
Refrigeration Committee
Technical, Energy & Government Activities Committee
Student Activities Committee

Please send an email to our Volunteer Chairman, Bob Carpenter, at bob@cowardenvironmental.com to identify your interests to participate.

We Need Your Email Address!

The Quaker City Climate, the monthly newsletter of the Philadelphia Chapter of ASHRAE which is published September through May, is now distributed only by email, unless a Chapter member contacts our office and specifically asks that they continue to receive a hard copy by mail.

This is a cost savings for the Chapter and eliminates lost time due to mail delays. This is also useful to distribute meeting reminders and urgent information in a timely manner.

Don't miss the latest information on meeting dates, locations, and speakers, as well as other news of interest to engineers in the Philadelphia area!

Please email us at hope@multiservicemgmt.com to be added to our email distribution list, if you are not included already.

We will keep your email address confidential!

05-06 Directories Available

The 2005-2006 Directory of Consulting Firms and Manufacturers' Representatives in the Philadelphia Area is now available for \$20 each. To order your copy, send your check, payable to "Philadelphia Chapter ASHRAE", to:

994 Old Eagle School Road, Suite 1019,
Wayne, PA 19087-1866.

Future Cities Competition Encourages Young Engineers

by Jeffrey Gilbeaux, Governor, Philadelphia Chapter

At the end of January, I attended the Future Cities Competition at the Jake Nevin Field House at Villanova University. As a judge for ASHRAE, which is a sponsor of the Philadelphia Future Cities Competition, I met a lot of enthusiastic students who developed projects and worked hard to develop their ideas as a team.

The goal was to design a city of the future, which gave the students experience in applying what they have learned and working together. It was fun to listen to each team explain their ideas which were all very different. There are many sponsors and awards so there were many judges asking each team different questions.

Each team has a mentor, which is a volunteer who meets with them over several months to guide the team and help them get to the point of having a good project to enter in the competition. Our speaker at our last dinner meeting, Mark Maguire, PE, was one of the mentors, as was Brett Jenner, one of the members of the Board of Governors of our ASHRAE chapter.

The Future Cities program is a program of The Delaware Valley Engineers Week Council. The student team of Holy Rosary School is the winner of the ASHRAE sponsored award for best indoor environment and will speak at our pre-dinner presentation in April.

For more information about Future Cities and how you can participate as a volunteer, please go to www.futurecityphilly.org.

Student Activities

Over the next couple months, the Student Activities Committee will be attending local colleges to promote ASHRAE. Some of the colleges include Drexel, Temple, Widener, and Delaware Valley Community College. We are also looking to set up visits to local grade schools and or high schools. If you have any interest in presenting or getting involved, please contact Mike Witkowski, Student Activities Committee Chair, at mwitkowski@mchugheng.com.

PHILADELPHIA CHAPTER ASHRAE 2005 - 2006 PROGRAMS

For reservations and updates, check www.ashrae-phila.org.

Date	Location	Pre-Dinner Topic	Dinner Topic	Theme
Thursday Mar 9	Cescaphe	Table Top Vendor Show	Owner Presentation - Energy Conservation in the Pharmaceutical Industry	GPBPA
Thursday April 6	Colleen's	Future City Competition Presentation	ASHRAE Standard 62 - IAQ Method of Compliance	Past President's Night
Thursday May 11	Colleen's	Humidity Control	IBC Seismic Requirements	ASHRAE Scholarship Night
(date TBD) May 2006	Princeton University Campus	Centralized Thermal Energy Storage	Tour of New TES Plant	Field Trip
(date TBD) June 2006	Temple University Campus	Program Planning Meeting for 2006-2007		

We Need More Reservations!

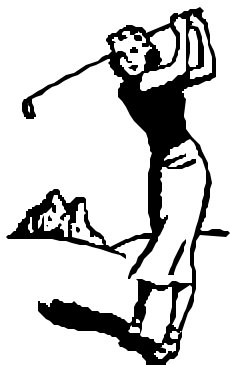
We need your attendance!

We are below our guaranteed level for ASHRAE members and our treasury could be negatively effected.
Our programs are designed around the membership's input and we all need to support these meetings
to maintain a strong/informed association.

We hope to see you at our next meeting.

Please come out and support our Chapter!

Check
www.ashrae-phila.org
for further information
on the
Philadelphia Chapter!



PHILADELPHIA ASHRAE CHAPTER

ANNUAL SPRING

GOLF TOURNAMENT

WHEN: Friday, June 2, 2006
1:00 pm Shotgun

WHERE: Northampton Valley Country Club
Richboro, PA (near I-95 and Newtown-Yardley Exit)

COST: Golf & Dinner: \$ 90.00 / Per Person
Dinner Only: \$ 40.00 / Per Person

Prizes include First, Second and Third Place Awards plus Longest Drive and Closest to the Pin Awards.

* Scramble Format *

SINGLES AND FOURSOMES ARE WELCOME!

RSVP TO:

Brett Jenner
Tel: 215-641-4276
Fax: 215-641-4310
Email: brett.jenner@honeywell.com

PAYMENT TO:

ASHRAE
994 Old Eagle School Road, Suite 1019
Wayne, PA 19087-1866
(Make checks payable to "Philadelphia Chapter ASHRAE")

REGISTRATION FORM

Name:

Company:

Telephone:

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Golf and Dinner \$ 90.00 x _____ = _____

Dinner Only Option \$ 40.00 x _____ = _____

Hole Sponsor \$ 200.00 = _____

Multiple Hole Sponsor \$ 150.00 x _____ = _____

TOTAL ENCLOSED \$ _____

Sustainability Topic of ASHRAE Satellite Broadcast

A satellite broadcast is being offered by ASHRAE to fulfill its goal of promoting building sustainability as a means to provide a safe, healthy, comfortable environment while simultaneously limiting the impact on the Earth's natural resources.

Information about building sustainability principles, practices and emerging concepts will be presented in the free April 19, 2006, satellite broadcast and Webcast, Sustainability and the Building Environment. The program is sponsored by ASHRAE's Chapter Technology Transfer Committee (CTTC).

"This broadcast will benefit all of the team members involved in the design, construction, start-up, and operation phases of a facility," said Jon Christopher Larry, chair of CTTC. "Viewers will be given information and sources to assist them when they are faced with the situation where a green design must be done. The green building industry will also benefit from the engineering input from ASHRAE."

The speakers for the broadcast will provide guidance on how to practice green building design. They are: Joe Van Belleghem, president, BuildGreen Developments, Victoria, Canada; Hal Levin, Fellow ASHRAE, research architect, Building Ecology Research Group, Santa Cruz, Calif.; Jean Lupinacci, director, ENERGY STAR commercial and industrial branch, ClimateProtection Partnerships Division, U.S.Environmental Protection Agency; Kevin Hydes, P.E., P.Eng., president and CEO, Keen Engineering, Montreal, Canada; and Malcolm Lewis, Ph.D., P.E., president, CTG Energetics, Irvine, Calif.

The broadcast will be similar to the April 2005 Mold in the Building Environment Broadcast/Webcast viewed by some 16,000 viewers at 1,700 locations.

Visit www.ashrae.org/greenbuildingsbroadcast for the latest information regarding the broadcast/Webcast and ASHRAE's work on sustainability.

ASHRAE IAQ 2007 Examines Healthy, Sustainable Buildings

Healthy, sustainable buildings are those that create high quality indoor environments while minimizing their impacts on the outdoor environment. But achieving both can be a challenging goal.

Guidance on how to do so will be presented at the American Society of Heating, Refrigerating and Air-Conditioning Engineers' (ASHRAE) conference, IAQ 2007 Healthy and Sustainable Buildings, which will be held Oct. 15-17, 2007, at Baltimore's Inner Harbor, Baltimore, Maryland.

"The issues of healthy and sustainable buildings are cyclical and interdependent," Lawrence J. Schoen, P.E., chair of the conference said. "Buildings not only impact the indoor environment but they have an impact on the outside environment. Our goal in creating healthy buildings should be to create indoor environments where people are healthy and productive but that minimize impact on the environment."

The conference will emphasize the measured performance of healthy and sustainable buildings and practical methods for their design, construction, operation and maintenance, according to Schoen.

For more information, contact ASHRAE Technical Services at IAQ2007@ashrae.org or www.iaq2007.org.

Student Night - February 9, 2006
Philadelphia Chapter ASHRAE



(left to right) Eddie Decker, Drexel University, Nathan Eveler, Widener University, Barry Webster, Delaware County Community College, and Nehal Patel, Temple University.



(left to right) Eddie Decker, Drexel University, Nathan Eveler, Widener University, Richard Borradaile, SMCA, Barry Webster, Delaware County Community College, and Nehal Patel, Temple University.



The scholarship winners enjoy dinner.



Richard Borradaile, SMCA, (right) with Nehal Patel, scholarship winner from Temple University.

Student Night - February 9, 2006 Philadelphia Chapter ASHRAE



Richard Borradaile, SMCA, (right) congratulates Eddie Decker, scholarship winner from Drexel University.



Richard Borradaile, SMCA, (right) with Barry Webster of Delaware County Community College. The scholarship winner from DCCC was unable to attend, so Mr. Webster accepted in his student's absence.

Richard Borradaile, SMCA, (right) congratulates Nehal Patel, scholarship winner from Temple University.



Mark Maguire, Engineering Principal at Kling, makes his presentation on "Alternatives to Traditional Air Distribution Concepts".



Richard Borradaile, SMCA, (right) congratulates Nathan Eveler, scholarship winner from Widener University.



Steve Piccolo, President-Elect of ASHRAE Philadelphia Chapter (right), thanks Mark Maguire for his presentation.

Employment Opportunity

Project Manager, Energy Services

RealWinWin is seeking an experienced individual to coordinate all post-sale “rollout” activities with Fortune 1000 organizations. RealWinWin helps Fortune 1000 corporations locate and secure financial incentives paid by energy utilities in support of energy demand reduction activities. These incentives include rebates for installing and operating energy-efficient building systems — such as lighting, HVAC, drives and controls — as well as commissioning and the implementation of renewable energy sources. RealWinWin is a nationally recognized and growing company offering a full benefits package.

Responsibilities:

1. Coordinates customer roll-out activities. Identifies and ensures that all required contacts, information and project flow are established and maintained.
2. Responsible for the successful hand-off of new accounts from sales to operations, as well as for on-going account management responsibilities.
3. Meets with (in person or by phone) and coordinates with executives in client Design, Construction, Energy Management and Facilities organizations.
4. Coordinate processing of rebate projects including application processing and client interface to obtain required documentation.
5. Maps client prototype building design, energy management profile and construction processes against Utility Incentive Program requirements.
6. Enlists and coordinates with RWW engineering staff to evaluate and analyze vendor proposals to support client energy system infrastructure.

Qualifications:

- 1-2 years successful project management experience in a major installation, building construction and/or large-property maintenance environment.
- 1-2 years successful experience as an engineer or a technical sales support person supporting the Fortune 1000 community.
- Energy-engineering experience with the ability to identify and quantify applicable energy savings opportunities in varied commercial/industrial sectors preferred
- Strong written and verbal communication skills, strong interpersonal and customer support skills, and a positive “can do” attitude required.
- Engineering Degree - P.E. or Certified Energy Manager preferred

Company Contact Info:

RealWinWin
www.realwinwin.com
1926 Arch Street, 4 F
Philadelphia, PA 19103
(215) 732-4480
Attn: Leigh Wood (x 231), lwood@realwinwin.com

Starting Date: March 15, 2006

Salary: \$45,000 + based on experience (FT),
Relocation Expenses Negotiable

Benefits: Medical, Vacation

In Memoriam

John J. Seelaus, 86, formerly of Paoli, retired engineer of York Corp., died from complications of Parkinson’s disease on Thursday, Dec. 29, 2005, at Lima Estates.

A native of Philadelphia, Mr. Seelaus earned a bachelor’s degree from Villanova University. He served on active duty as an engineer in the Navy during World War II.

He was active in the American Society of Heating, Refrigeration and Air Conditioning Engineers since 1942, and served as President of the Philadelphia Chapter of ASRE in 1958.

He was also active in the Knights of Columbus.

He is survived by his wife of 63 years, Mollie V. Seelaus, two daughters, three grandchildren, and four great-grandsons.

A Memorial Mass was celebrated on January 7. Burial was private.

Please help the ASHRAE Research 2005-2006 Fund Drive by filling out this Donor Form and sending it to national headquarters in Atlanta this week. Have you asked your company if they have a matching gift program? Remember every dollar you donate to this worthy cause is doubled by ASHRAE Society! If you have any questions, please contact Steve Ridenour, Research Program Chairman, at steven.ridenour@temple.edu.

ASHRAE RESEARCH - Donor Form Philadelphia Chapter 21 - Region 3

1) Type of Contribution;

☐ Individual

☐ Corporate

☐ Memorial To: _____

Please attach the details for the acknowledgement to, relationship to, and addresses.

2) Level of Contribution;

☐ Golden Circle (\$10,000 and greater)

☐ Research Partner (\$5,000-\$9,999)

☐ Research Associate (\$2,500-\$4,999)

☐ Research Major Donor (\$250-\$2,499)

☐ Research Honor Roll Donor - Individual (\$100-\$249)

☐ Research Honor Roll Donor – Corporate (\$150-\$249)

☐ Research General Donor (Less than \$100 Individual/\$150 Corp.)

3) Method of Payment;

A) Attach Check (Payable to “ASHRAE Research”)

Please note on check “Phila- Chapter 21”

B) Credit Card

☐ O-Visa ☐ O-Master Card ☐ O-AMEX

Date: _____ Signature: _____

Card#: _____ Exp. Date: _____

Note: All contributions are fully deductible under section 170 of the IRS code.

4) Donor Information:

Name: _____

Member # (If ASHRAE member): _____

Corporation Name (If Corp. Donation): _____

Address: _____

Phone : Home: _____ Business: _____

E-Mail: _____

5) Send this completed form to: ASHRAE RESEARCH, 1791 Tullie Circle, NE, Atlanta, GA 30329

!! NEW !!**AFFILIATE MEMBERSHIP GRADE**

For an Annual Dues of \$40, Applicants under Age 30 can Join ASHRAE at this introductory membership level. Membership tenure in this grade is limited to three (3) years.

Affiliate Members Benefits Affiliate Members receive monthly issues of the ASHRAE Journal and Insights Newsletter. The annual handbook is not a benefit of this grade.

Qualifications

An Affiliate Member shall have the same qualifications as an Associate Member. They are:

1. Experience in technical matters or in design, operation, or maintenance in heating, refrigerating, air conditioning, or ventilating fields.
2. An interest in the advancement of the Society's aims.
3. Possess sufficient qualifications to cooperate with heating, refrigerating, air conditioning, or ventilating engineers in the advancement of relating to heating, refrigerating, air conditioning, or ventilating engineering and its application.

Limitations

- You do not receive ASHRAE Handbook with membership. You do not receive *ASHRAE Insights*. You get a one-time discount (20% off) on all Handbook items.
- You can serve on Chapter committees, but cannot hold office or vote at Chapter, Regional or Society level.

Contact For Receiving Application

Go to www.ashrae.org and click on "Join" in the upper right corner. This will take you to a page describing each membership grade, its benefits and qualifications, and a link to membership application forms.

MEMBERSHIP ADVANCEMENT!

Any Associate Member meeting the following requirement can apply for Advancement to the more entitling Member grade. By ASHRAE society definition:

A member shall have the equivalent of twelve society-approved years of experience composed of an approved combination of: (a) completed education beyond high school, (b) work experience, and (c) professional engineering or related registration or license issued by a legally authorized body.

All technical and scientific education shall be based on curricula approved by the Board of Directors.

Approved engineering curricula shall be equivalent to the accredited by the Accreditation Board of Engineering and Technology in the United States of America or the Canadian Engineering Accreditation Board. Scientific education in fields other than engineering shall be from a college or university course of study that has been accredited by an organization charged with monitoring standards of performance. *Society approved years of experience shall be credited as follows:*

One and one-half years of credit for each year of completed education for graduates of approved technical curricula. One year of credit for each year of education for non-graduates who have completed a least two years of approved technical curricula. One year of credit for each year of completed education for graduates of colleges or universities which do not have accreditations. Those holding associated degrees from technical institutions shall also be credited for one year for each year of education.

One year for each year of qualifying work experiences in the performance of duties in work related to ASHRAE fields of interest and shall have included research, teaching, design, contracting, engineering sales or engineering management.

Three years of credit for professional registration of license issued by a legally authorized body in engineering or related fields, the requirements of which as to education, examination, and active practice are satisfactory to the Board of Directors.

More information is available on the ASHRAE website (www.ASHRAE.org) under menu items Membership Resources...Manage Your Membership, the above definition is extracted from such application information in PDF file format. The application can also be filled interactively online. ASHRAE sends members who upgrade a \$20 gift certificate usable at the ASHRAE bookstore or towards ASHRAE membership renewal.



SMCA Education/ Technical Committee

SURVEY

The Education Committee of the Sheet Metal Contractors Association of Philadelphia and Vicinity is planning our annual "Engineer's Night" program. The event will be held on October 5, 2006 at the Rittenhouse. The Committee would like your assistance in planning this year's presentation.

Listed below are the topics we are considering. Please mark and rank (1-5, with one the highest), the programs that YOU WOULD LIKE TO SEE PRESENTED.

Thank you for your help!

- ___ **CHANGE ORDERS**
- ___ **UL APPROVAL OF DUCT STANDARDS**
- ___ **FAN PERFORMANCE**
- ___ **TROUBLESHOOTING SYSTEMS**
- ___ **"VAV" BOXES - SUPPLY, RETURN AND EXHAUST**
- ___ **LEAK TESTING**
- ___ **DESIGN vs. SHOP DRAWINGS**
- ___ **OTHER (please describe):** _____

PLEASE RETURN SURVEY TO:

John Connolly
SMCA of Philadelphia & Vicinity
Phone: 610-828-4055
email: jconnolly@smca.org

**The Delaware Valley Green Building Council and
AIA Philadelphia's Committee on the Environment**

invite you to an evening seminar

High Performance Building Façades

Thursday, March 9, 2006

5:30 - 7:30 pm

As the primary interface between a building and its immediate environment, the façade has long been a focal point of sustainable design research. Recent technological developments are changing the way we conceptualize, detail and construct building envelopes. High performance façades can reduce energy consumption, provide well-tempered daylight, ventilate occupied spaces, and even generate electricity.

Drawing on KieranTimberlake's current practice, as well as examples from Europe and Asia, Kevin Pratt will examine a number of different façade systems, from simple high R-value enclosures to complex ventilated double skin curtain walls. He will assess the effect of these technologies on electrical and mechanical systems and discuss how a high performance facade can become a key element of an integrated sustainable design.

Location: Carpenter's Hall, 320 Chestnut St., Philadelphia, PA

Schedule: 5:30 - 6:00 Refreshments (hors d'oeuvres and beverages)
6:00 - 7:30 Kevin Pratt on "High Performance Building Facades"

Cost: \$20 members, \$25 Non-members, \$10 students by 3/6/06
\$25 members, \$30 Non-members, \$15 students at the door.

Continuing Ed. Credits: This program is worth 1.5 AIA/CES (HSW) LUs.

Please RSVP by noon on Monday, March 6, 2006 at <http://www.acteva.com/go/dvgbc/>.

Contact Aaron Dahlstrom, 215.282.2169, adahlstrom@dvgbc.org with questions.

Kevin Pratt, RA, LEED v2 Accredited Professional, received his BA in Architecture (Magna Cum Laude) from Columbia University and an MA from the Environment and Energy Programme at the Architectural Association in London. Mr. Pratt has twelve years of experience as a researcher and architect; he recently returned to the United States to spearhead research efforts at KieranTimberlake Associates LLP. He previously spent five years at the design and façade consulting firm Evans Heintges Architects in New York City. His current research activities include daylighting, shading, and thermal simulation analysis for the Sidwell Friends Middle School (a LEED Platinum building), and the development of a passively ventilated curtain wall for the new sculpture building at Yale University. In addition to his work at KTA, Mr. Pratt is a contributing writer to Artforum and has written articles for various design and general interest publications.

See www.dvgbc.org for more details.

Check the Calendar at
www.gpbpa.org
for further information
on events for DVGBC, ASPE, SMCA,
and other organizations!

Member Services

Members who would like stay on top of the **latest news from ASHRAE** may join the News Release List Serve at <http://www.ashrae.org/template/AboutLinkLanding/category/1584>.

If you or your company are hiring, please take a moment to **review the resumé of chapter members** and students which have been posted on the chapter website at www.ashrae-phila.org/resumes.html.

Any member who wishes to **have their resumé posted on our website**, or who would like to update it, can email our webmaster, Seth Weiss, at sweiss@comcast.net. The file must be in pdf format and will be posted for 3 months.

For **Video Resume And Job Opportunities**, visit online portal: www.LookFirst.net

Looking for work? See jobs posted at STEP, Inc. Send an updated resume to admin@step-inc.com in Microsoft Word format to be considered for any of these opportunities or to be kept posted as you are. Feel free to contact us with any questions. Keep in mind that this is a totally FREE SERVICE to any of our applicant clients. There is nothing to sign, nothing to agree to.

S.T.E.P., Inc.
100 Highpoint Drive
Suite 104
Chalfont, PA 18914
P: 1.215.996.1255
F: 1.215.996.1266
www.step-inc.com

Get the inside track on job opportunities in the Architecture and Engineering Industries. Aerotek provides nationwide recruiting and staffing services.

www.aerotek.com
1.888.AEROTEK

**This is your newsletter.
We welcome your input and comments.**

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is published eight times annually by

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American Society of Heating, Refrigerating
and Air Conditioning Engineers, Inc.
994 Old Eagle School Road, Suite 1019
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